Reasoning and Problem Solving
Step 5: Order Fractions

National Curriculum Objectives:

Mathematics Year 3: (3F2) Recognise and show, using diagrams, equivalent fractions with small denominators
Mathematics Year 3: (3F3) Compare and order unit fractions and fractions with the same denominators
Mathematics Year 3: (3F4) Add and subtract fractions with the same denominator within one whole
Mathematics Year 3: (3F10) Solve problems that involve the above objectives

Differentiation:

Questions 1, 4 and 7 (Reasoning)
Developing Explain whether ordered fractions are in the correct order. Ordering unit fractions or fractions with the same denominator. Halves, quarters and thirds only. With pictorial support.
Expected Explain whether ordered fractions are in the correct order. Ordering unit fractions or fractions with the same denominator within twelfths. Some pictorial support.
Greater Depth Explain whether ordered fractions are in the correct order. Ordering unit and non-unit fractions with different denominators within twelfths using knowledge of equivalent fractions. Some pictorial support.

Questions 2, 5 and 8 (Problem Solving)
Developing Complete the sequence with one missing fraction. Ordering unit fractions of fractions with the same denominator. Halves, quarters and thirds only. With pictorial support.
Expected Complete the sequence with one missing fraction. Ordering unit fractions or fractions with the same denominator within twelfths. Some pictorial support.
Greater Depth Complete the sequence with one missing fraction. Ordering unit and non-unit fractions with different denominators within twelfths using knowledge of equivalent fractions. Some pictorial support.

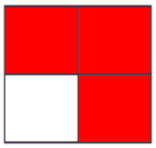
Questions 3, 6 and 9 (Reasoning)
Developing Explain which fraction is incorrect. Ordering unit fractions of fractions with the same denominator. Halves, quarters and thirds only. With pictorial support.
Expected Explain which fraction is incorrect. Ordering unit fractions or fractions with the same denominator within twelfths. Some pictorial support.
Greater Depth Explain which fraction is incorrect. Ordering unit and non-unit fractions with different denominators within twelfths using knowledge of equivalent fractions. Some pictorial support.

More Year 3 Fractions resources.

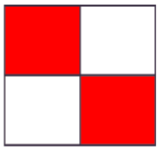
Did you like this resource? Don't forget to review it on our website.

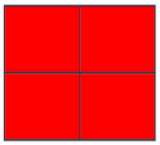
Order Fractions

1a. Stuart has put these fractions in order from smallest to largest. Is he correct?

A. 

B. 

C. 

D. 

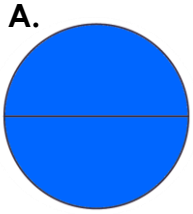
Explain your answer.

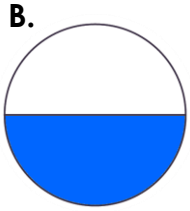
D

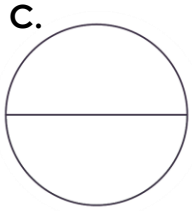
R

Order Fractions

1b. Habib has put these fractions in order from smallest to largest. Is he correct?

A. 

B. 

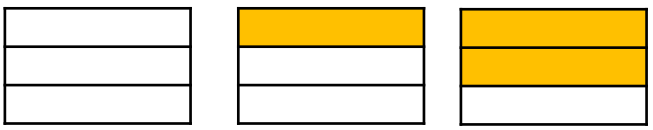
C. 

Explain your answer.

D

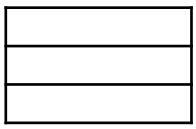
R

2a. Use the images to help you complete the sequence.



$\frac{0}{3}$ $\frac{1}{3}$ $\frac{2}{3}$

Colour and write the next fraction in the sequence.



$\frac{\square}{3}$

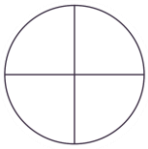
D

PS

2b. Use the images to help you complete the sequence.

$\frac{0}{4}$ $\frac{1}{4}$ $\frac{2}{4}$

Colour and write the next fraction in the sequence.

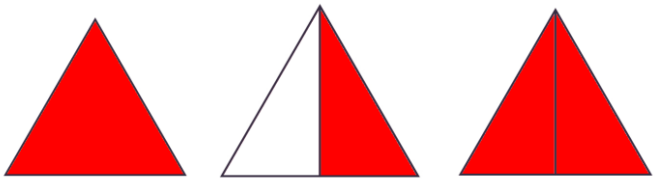


$\frac{\square}{4}$

D

PS

3a. Which is the incorrect fraction in this sequence?



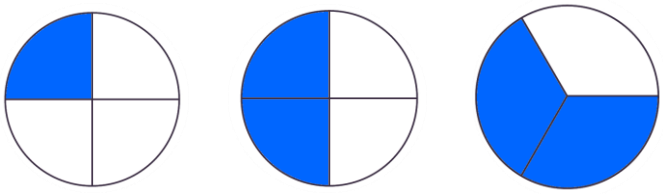
A B C

Explain your answer.

D

R

3b. Which is the incorrect fraction in this sequence?



A B C

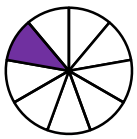
Explain your answer.

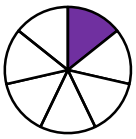
D

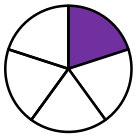
R

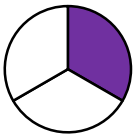
Order Fractions

4a. David has put these fractions in order from largest to smallest. Is he correct?

A. 

B. 

C. 

D. 

Explain your answer.

E

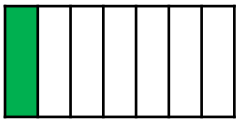
R

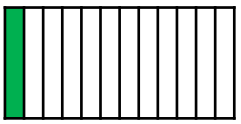
Order Fractions

4b. Rita has put these fractions in order from smallest to largest. Is she correct?

A. 

B. 

C. 

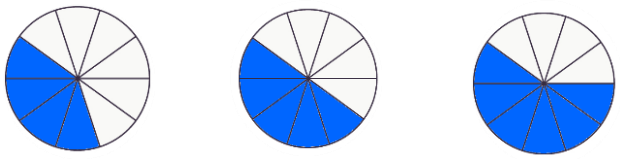
D. 

Explain your answer.

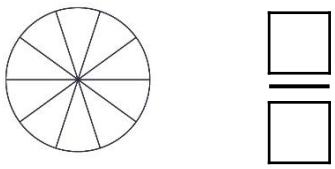
E

R

5a. Use the images to help you complete the sequence.



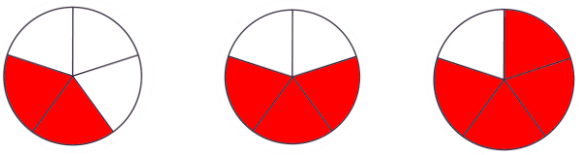
Colour and write the next fraction in the sequence.



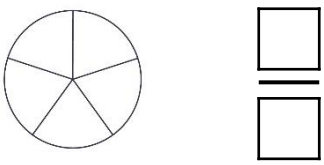
E

PS

5b. Use the images to help you complete the sequence.



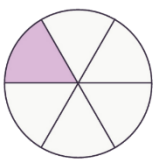
Colour and write the next fraction in the sequence.

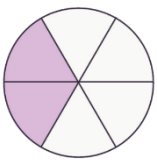


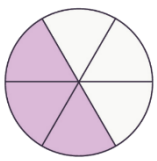
E

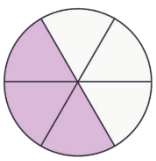
PS

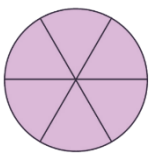
6a. Which is the incorrect fraction in this sequence?

1 

2 

3 

4 

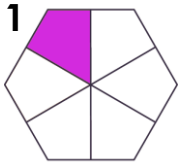
5 

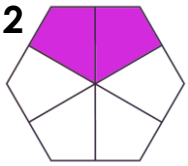
Explain your answer.

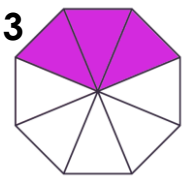
E

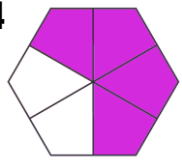
R

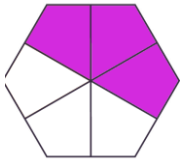
6b. Which is the incorrect fraction in this sequence?

1 

2 

3 

4 

5 

Explain your answer.

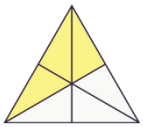
E

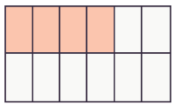
R

Order Fractions

7a. Simon has put these fractions in order from smallest to largest. Is he correct?

A. 

B. 

C. 

D. 

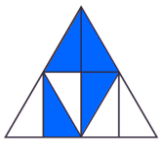
Explain your answer.

GD R

Order Fractions

7b. Dylan has put these fractions in order from smallest to largest. Is he correct?

A. 

B. 

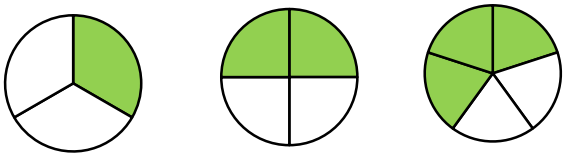
C. 

D. 

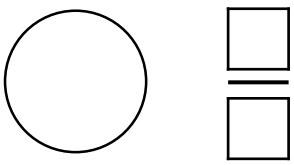
Explain your answer.

GD R

8a. Use the images to help you complete the sequence.

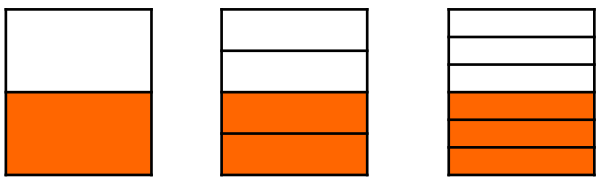


Colour and write the next fraction in the sequence.

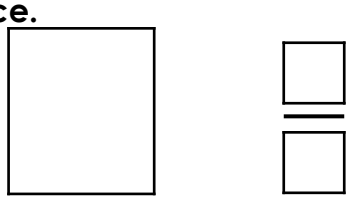


GD PS

8b. Use the images to help you complete the sequence.

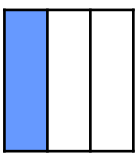


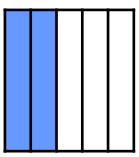
Colour and write the next fraction in the sequence.

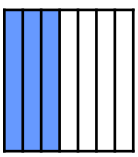


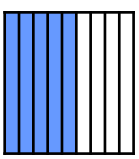
GD PS

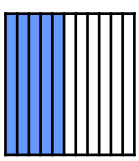
9a. Which is the incorrect fraction in this sequence?

1 

2 

3 

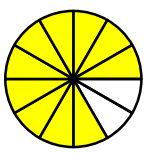
4 

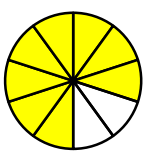
5 

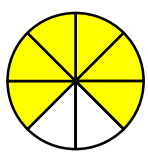
Explain your answer.

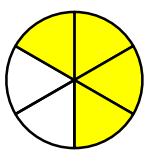
GD R

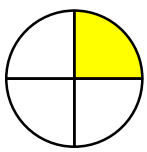
9b. Which is the incorrect fraction in this sequence?

1 

2 

3 

4 

5 

Explain your answer.

GD R

Reasoning and Problem Solving
Order Fractions

Developing

1a. Stuart is incorrect. The correct order is B, C, A, D.

2a. 3 parts shaded. 3.

3a. A because it shows 1 instead of $\frac{0}{2}$.

Expected

4a. David is incorrect. The correct order is D, C , B, A.

5a. 7 parts shaded. $\frac{7}{10}$.

6a. Number 4 because it shows $\frac{3}{6}$ instead of $\frac{4}{6}$.

Greater Depth

7a. Simon is incorrect. The correct order is D, C, B and A.

8a. Shape split into 6 equal parts; 4 shaded. $\frac{4}{6}$.

9a. Number 4 because it shows $\frac{5}{9}$ instead of $\frac{4}{9}$.

Reasoning and Problem Solving
Order Fractions

Developing

1b. Habib is incorrect. The correct order is C, B, A.

2b. Three parts shaded. 3.

3b. C because it shows $\frac{2}{3}$ instead of $\frac{3}{4}$.

Expected

4b. Michelle is incorrect. The correct order is D, C, B, A.

5b. 5 parts shaded. $\frac{5}{5}$.

6b. Number 5 because it shows $\frac{3}{6}$ instead of $\frac{5}{6}$.

Greater Depth

7b. Dylan is correct the fractions are order from smallest to largest.

8b. Shape split into 8 equal parts; 4 shaded. $\frac{4}{8}$.

9b. Number 5 because it shows $\frac{1}{4}$ instead of $\frac{2}{4}$.