Homework/Extension
Step 4: Fractions Greater than 1

National Curriculum Objectives:

Mathematics Year 4: (4F2) **Recognise and show, using diagrams, families of common equivalent fractions**

Differentiation:

Questions 1, 4 and 7 (Varied Fluency)
Developing Match the representation to the correct fraction including halves, quarters and thirds; using fractions partitioned into wholes and parts of a fraction.
Expected Match the representation to the correct fraction including wholes and parts of fractions up to twelfths; using improper fractions.
Greater Depth Match the representation to the equivalent fraction using improper fractions and mixed numbers.

Questions 2, 5 and 8 (Varied Fluency)
Developing Tick the representation to complete a statement including halves, quarters and thirds; using improper fractions and fractions partitioned into wholes and parts of a fraction.
Expected Tick the representation to complete a statement including wholes and parts of fractions up to twelfths; using improper fractions and fractions partitioned into wholes and parts of a fraction.
Greater Depth Tick the representation to complete a statement including wholes and parts of fractions; using improper and mixed fractions. Including knowledge of equivalent fractions.

Questions 3, 6 and 9 (Reasoning and Problem Solving)
Developing Use clues to identify an improper fraction including wholes and parts of fractions. Includes halves, quarters and thirds; using improper fractions.
Expected Use clues to identify an improper fraction including wholes and parts of fractions up to twelfths; using improper fractions.
Greater Depth Use clues to identify an improper fraction. Includes wholes and parts of fractions and knowledge of equivalent fractions.
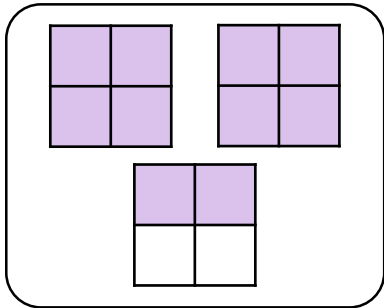
More Year 4 Fractions resources.

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

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Fractions Greater than 1

1. Match the shaded fraction to the correct written fraction.
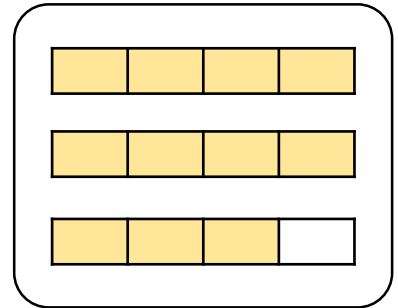
A.

B.

C.
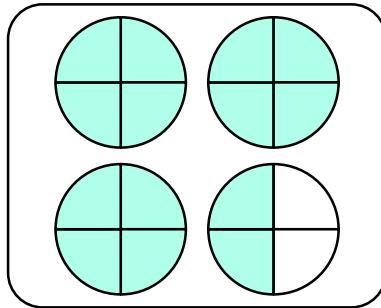
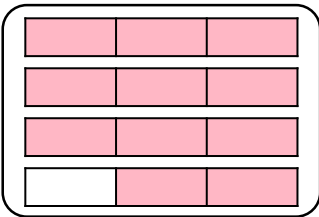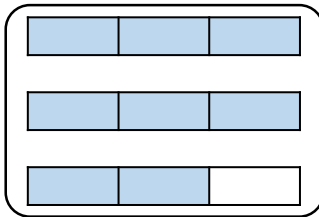| 2 wholes and 3 quarters | 2 wholes and 2 quarters | 3 wholes and 2 quarters |

VF
HW/Ext

2. Tick the representation to complete the statement below. Fill in the sentence to describe the fraction.
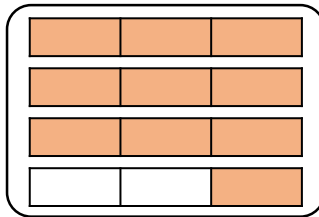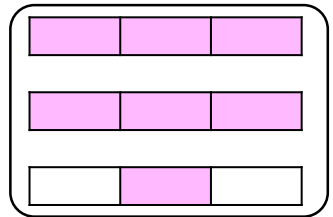
A.

B.

C.

D.

$$\frac{11}{3} = \boxed{?}$$

$$\frac{11}{3} = \boxed{} \text{ wholes and } \boxed{} \text{ thirds.}$$

VF
HW/Ext

3. Use the clues below to identify the improper fraction which is being described.

> The fraction has a numerator less than 15.

> The denominator is an even number less than 6.

> The fraction is equal to three wholes and a fraction.
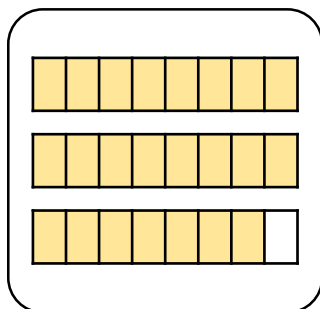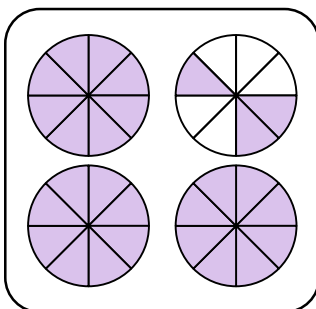
Find two possibilities.

RPS
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Homework/Extension – Fractions Greater than 1 – Year 4 Developing

Fractions Greater than 1

4. Match the shaded fraction to the correct written fraction.

A.

B.

C.

D.
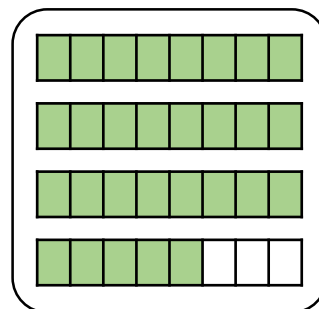

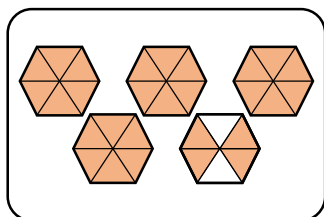$\dfrac{27}{8}$

$3\dfrac{5}{8}$

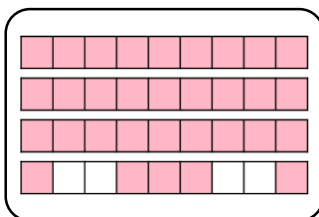$\dfrac{20}{8}$
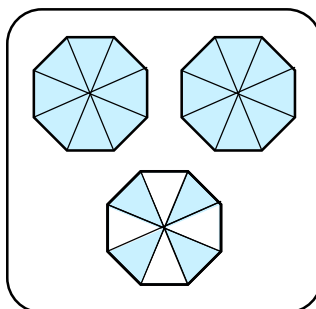
$2\dfrac{7}{8}$

VF
HW/Ext

5. Tick the representation to complete the statement below. Fill in the sentence to describe the fraction.
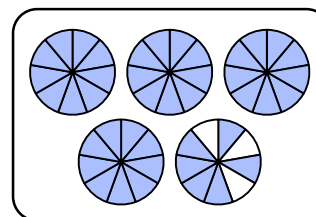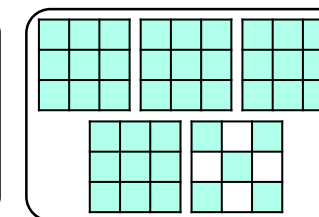
A.

B.

C.

D.

$\dfrac{42}{9}$ = $\boxed{?}$

$\dfrac{42}{9}$ = $\boxed{}$ wholes and $\boxed{}$ ninths.

VF
HW/Ext

6. Use the clues below to identify the improper fraction which is being described.

> The fraction has a numerator between 20 and 30.

> The denominator is in the three times tables.

> The fraction is equal to three wholes and a fraction.
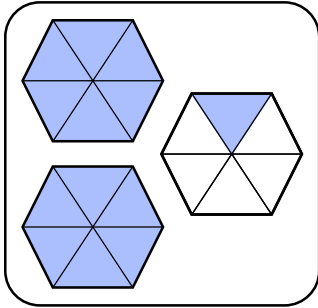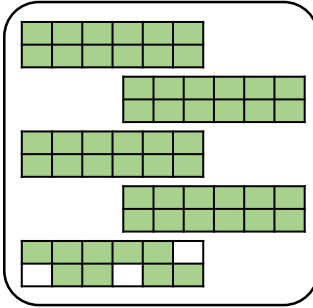
Find three possibilities.

RPS
HW/Ext

Homework/Extension – Fractions Greater than 1 – Year 4 Expected

Fractions Greater than 1

7. Match the shaded fraction to the equivalent written fraction.

A.

B.

C.

D.
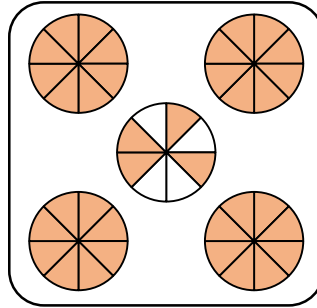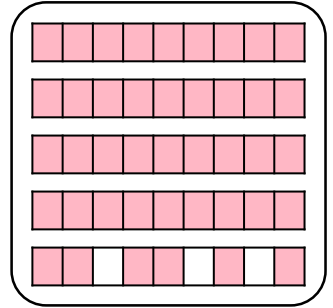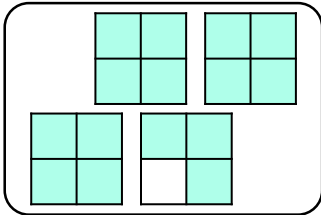

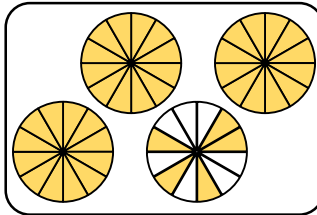$4\frac{3}{6}$

$\frac{52}{24}$

$\frac{14}{3}$

$4\frac{3}{4}$

VF
HW/Ext

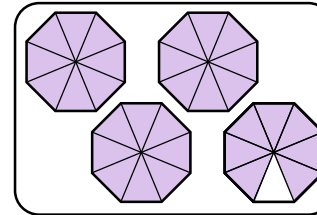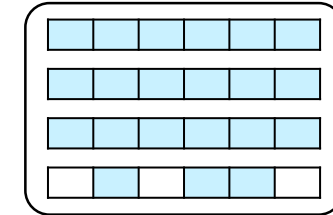**8. Tick the equivalent representation to complete the statement below. Fill in the sentence to describe the fraction.**

A.

B.

C.

D.

$$\frac{105}{30} = \boxed{?}$$

$$\frac{105}{30} = \boxed{} \text{ wholes and } \boxed{} \text{ tenths.}$$

VF
HW/Ext

9. Use the clues below to identify the improper fraction which is being described.

> The fraction has equivalent fractions in fifteenths and thirtieths.

> The fraction is equal to four wholes and a fraction.

> The denominator is a single-digit number.

> The fraction that does not make a whole is less than half.

Find three possibilities.

RPS
HW/Ext

Developing

1. A – 2 wholes and 2 quarters; B – 3 wholes and 2 quarters; C – 2 wholes and 3 quarters

2. A, $\frac{11}{3}$ = 3 wholes and 2 thirds.

3. Various answers, for example: $\frac{7}{2}$, $\frac{14}{4}$, $\frac{13}{4}$

Expected

4. A – $2\frac{7}{8}$; B – $\frac{27}{8}$; C – $\frac{20}{8}$; D – $3\frac{5}{8}$

5. C, $\frac{42}{9}$ = 4 wholes and 6 ninths

6. Various answers, for example: $\frac{21}{6}$, $\frac{23}{6}$, $\frac{29}{9}$

Greater Depth

7. A – $\frac{52}{24}$; B – $4\frac{3}{4}$; C – $4\frac{3}{6}$; D – $\frac{14}{3}$

8. D, $\frac{105}{30}$ = 3 wholes and 5 tenths

9. Various answers, for example: $\frac{22}{5}$, $\frac{13}{3}$, $\frac{26}{6}$