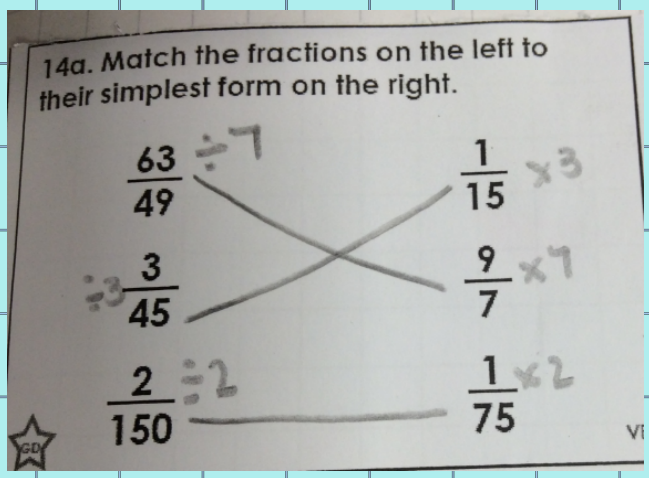
Starter:

| ★ | ★★ |
|---|---|
| A1.↻ 1708 ÷ 7 | B1.↻ 403 ÷ 13 |
| A2.↻ 384 ÷ 3 | B2.↻ 1197 ÷ 19 |
| A3.↻ 1052 ÷ 4 | B3.↻ 539 ÷ 11 |
| A4.↻ 236 ÷ 2 | B4.↻ 560 ÷ 14 |
| A5.↻ 3346 ÷ 7 | B5.↻ 1349 ÷ 19 |

Starter:

| ★ | ★★ |
|---|---|
| A1.↻ 244 | B1.↻ 31 |
| A2.↻ 128 | B2.↻ 63 |
| A3.↻ 263 | B3.↻ 49 |
| A4.↻ 118 | B4.↻ 40 |
| A5.↻ 478 | B5.↻ 71 |


14a. Match the fractions on the left to their simplest form on the right.
63/49 ÷7
3/45 ÷3
2/150 ÷2
1/15 x3
9/7 x7
1/75 x2


GREAT JOB!

13a. Complete the equivalent fraction statement.

$\frac{?}{64} = \frac{28}{32} = \frac{7}{?}$

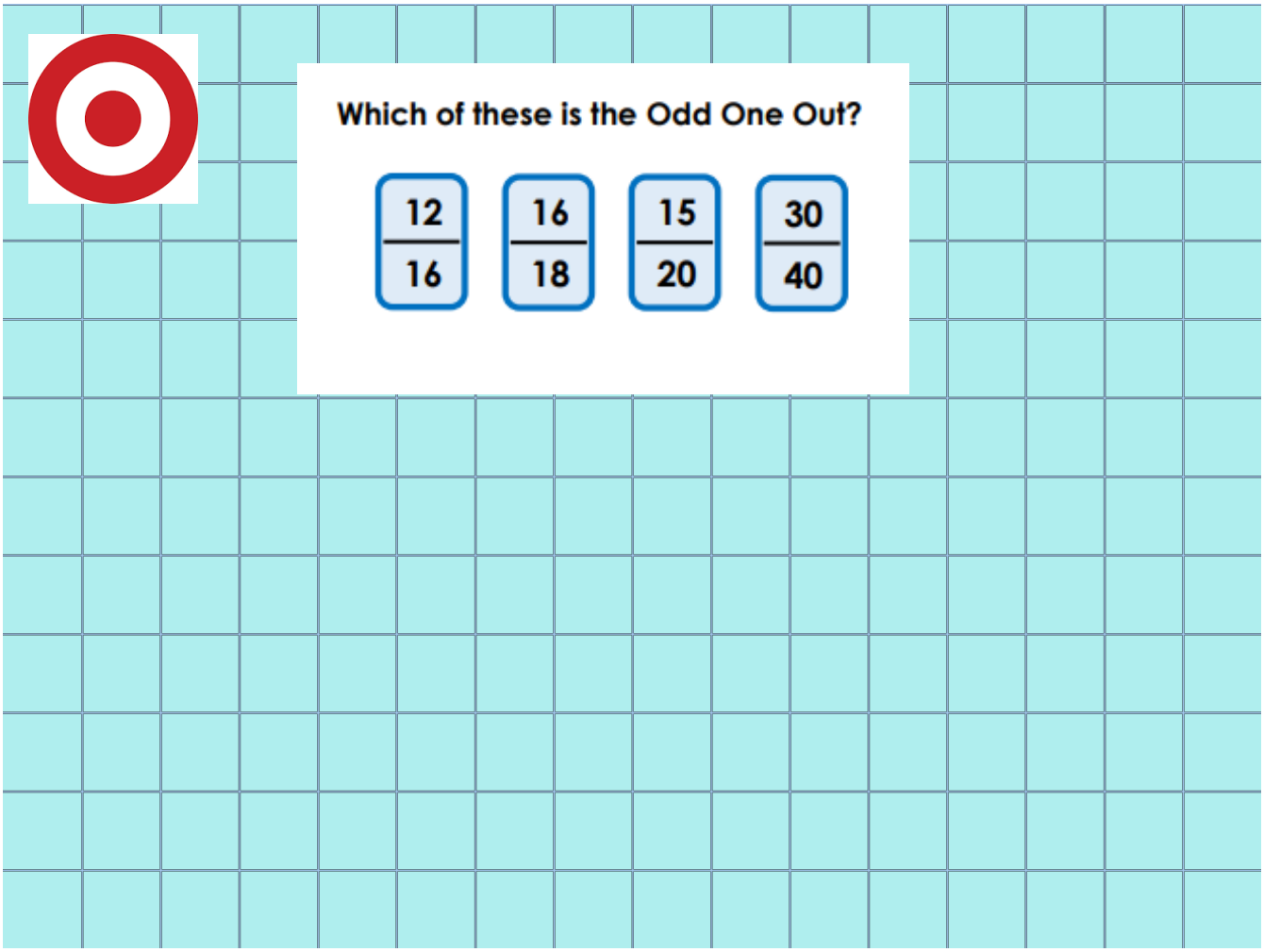
28 ÷ 2 = 56

$\frac{56}{64} = \frac{28}{32} = \frac{7}{8}$

14 ÷ 2 = 28

16 ÷ 2 = 32




Which of these is the Odd One Out?
12/16
16/18
15/20
30/40




**Caleb is thinking of a fraction...**




It simplifies to 9/10.

The denominator is a multiple of 20.

The numerator has a digit that is a prime number.

All the digits in the numerator are greater than 3.

**What could Caleb's fraction be?**

LO: to convert mixed numbers and improper fractions.

RECAP:

What is an improper fraction?

What is a mixed number?

https://www.bbc.co.uk/bitesize/articles/z4ypscw

LO: to convert mixed numbers and improper fractions.

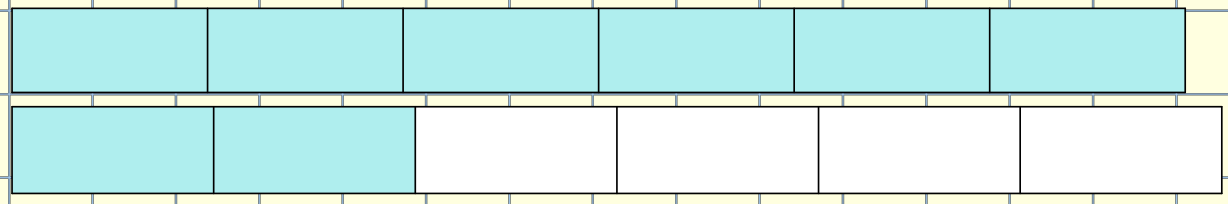
How do we convert an improper fraction to a mixed number?

LO: to convert mixed numbers and improper fractions.

I do

$\frac{8}{6}$

$1\frac{2}{6}$ $\frac{6}{6}$



LO: to convert mixed numbers and improper fractions.

I do

$$\frac{15}{10} \qquad \frac{25}{7}$$

LO: to convert mixed numbers and improper fractions.

we do

$\frac{32}{4} = 8$

$\frac{63}{8}$

$\frac{28}{6}$

4 $\frac{4}{6}$

LO: to convert mixed numbers and improper fractions.

you do

Complete in books.

$\frac{19}{5} =$ $3\frac{4}{5}$ $\frac{24}{8} =$ $3$ $\frac{63}{8} =$ $7\frac{7}{8}$ $\frac{59}{6} =$ $9\frac{5}{6}$

LO: to convert mixed numbers and improper fractions.

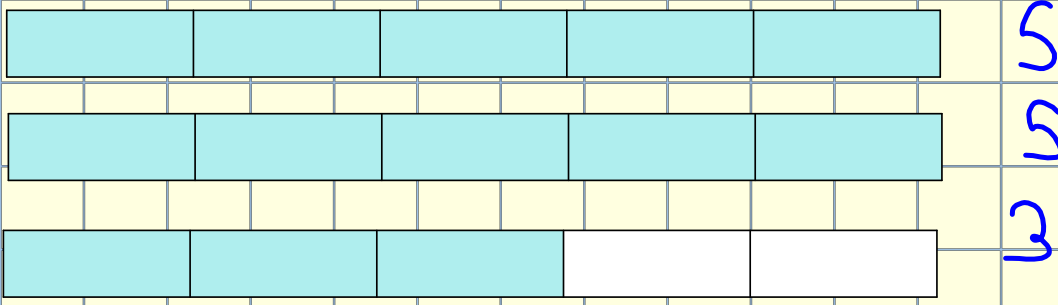
How do we convert a mixed number to an improper fraction?

LO: to convert mixed numbers and improper fractions.

I do

$2\frac{3}{5}$

$\frac{13}{5}$



LO: to convert mixed numbers and improper fractions.

I do

$3\frac{6}{7}$ $2\frac{3}{8}$

LO: to convert mixed numbers and improper fractions.

we do

$5\frac{4}{9}$ $6\frac{3}{4}$

$45 + 4 = \frac{49}{9}$

LO: to convert mixed numbers and improper fractions.

you do

Complete in books.

$3\frac{4}{5}$ $\frac{19}{5}$

$8\frac{1}{4}$ $\frac{33}{4}$

$4\frac{3}{9}$ $\frac{39}{9}$

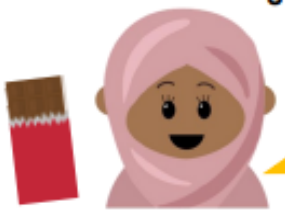
$4\frac{2}{5}$ $\frac{22}{5}$

LO: to convert mixed numbers and improper fractions.

we do

Asha has a number of chocolate bars in her cupboard.

She eats $\frac{18}{8}$ of the bars this week.



Express how many bars I have eaten as a mixed number.

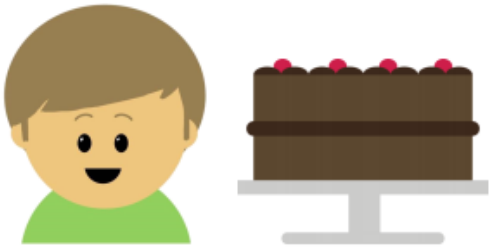
16

$\frac{8}{8}$ $\frac{8}{8}$

2

2 $\frac{2}{8}$

Jerry took 9 cakes, which were cut into eighths, and $\frac{7}{8}$ of a cake with him to a party.



How many pieces of cake were there all together?

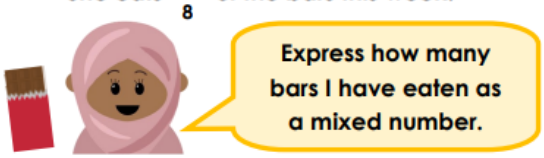
Discuss

LO: to convert mixed numbers and improper fractions.

you do

Asha has a number of chocolate bars in her cupboard.

She eats $\frac{18}{8}$ of the bars this week.




Describe where Jane has made a mistake and correct it.



$4\frac{5}{6} = \frac{20}{6}$

$4\frac{5}{6}$

$\frac{20}{6}$

LO: to convert mixed numbers and improper fractions.

we do

Mark with your pink highlighter

Asha ate 2 whole bars and 6 chunks so 2 2/8 or 2 1/4.

There were 79 pieces of cake altogether.

LO: to convert mixed numbers and improper fractions.

we do

Describe where Jane has made a mistake and correct it.



$4\frac{5}{6} = \frac{20}{6}$

Rate the Advice



To convert improper fractions, you divide the numerator by the denominator.

Help Jane to improve her advice.

Find the missing numbers...

$3\frac{\square}{7} = \frac{25}{\square}$

Explain how you know.

Odd one out!

Convert each fraction to a mixed number to find out which one is the odd one out.

$\frac{35}{7}$ $\frac{12}{3}$ $\frac{30}{5}$ $\frac{29}{9}$

Explain your reasoning.

Discuss

LO: to convert mixed numbers and improper fractions.

you do

**Rate the Advice**



*To convert improper fractions, you divide the numerator by the denominator.*

**Help Jane to improve her advice.**

**Odd one out!**

**Convert each fraction to a mixed number to find out which one is the odd one out.**

$\frac{35}{7}$ $\frac{12}{3}$ $\frac{30}{5}$ $\frac{29}{9}$

**Explain your reasoning.**

**Describe where Jane has made a mistake and correct it.**



$4\frac{5}{6} = \frac{20}{6}$

**Find the missing numbers...**

$3\frac{\square}{7} = \frac{25}{\square}$

**Explain how you know.**

10 minutes

Glue in and complete in your books.

LO: to convert mixed numbers and improper fractions.

we do

Mark with your pink highlighter

Jane's advice is correct but it is not detailed enough. First, you do need to divide the numerator by the denominator to give you the number of wholes. The remainder is the fraction that is left over. The fraction will have the same denominator as the improper fraction, unless it can be simplified.

**D** – One of the fractions is the odd one out.

**A** – 29/9 is the odd one out

**B** – All of the others are a whole number when converted to a mixed number.

**35/7 = 35 ÷ 7 = 5, 12 ÷ 3 = 4 and 30 ÷ 5 = 6. 29 ÷ 9 = 3 r2 so 3 2/9**

**D** – Jane has made a mistake.

**A** – 4 5/6 is not equal to 20/6

**B** – Jane has multiplied the whole number (4) by the numerator (5). She should have multiplied the whole number (4) by the denominator (6) and added the numerator (5) to get the correct improper fraction 29/6.

**D** – I can find the missing numbers.

**A** – The missing numerator is 4 and the missing denominator is 7.

**B** – The denominator in the first fraction is 7 so the denominator in the equivalent fraction is 7. To find the numerator for an improper fraction you first multiply the whole number by the denominator. 3 x 7 = 21 and the new numerator is 25. The difference between 21 and 25 is 4 so the numerator in the mixed number must be 4. 3 4/7 = 25/7