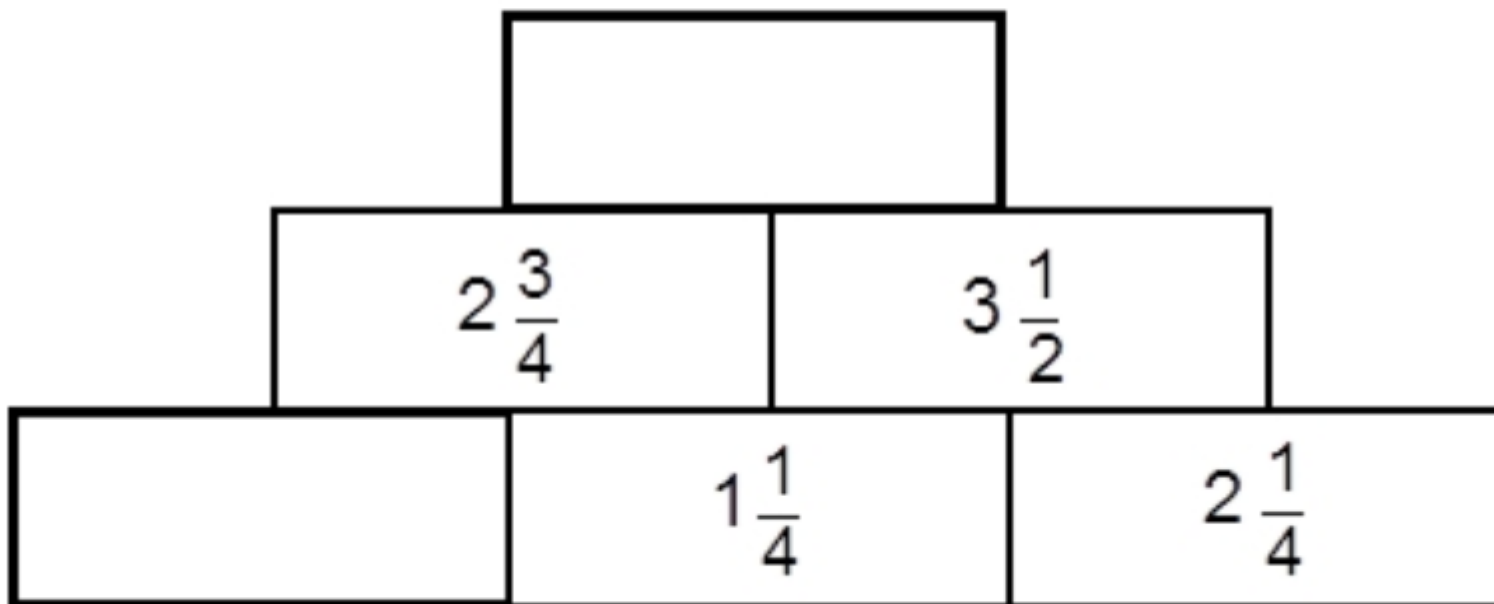


RECALL

In this diagram, the number in each box is the **sum** of the two numbers below it.

Write the missing numbers.

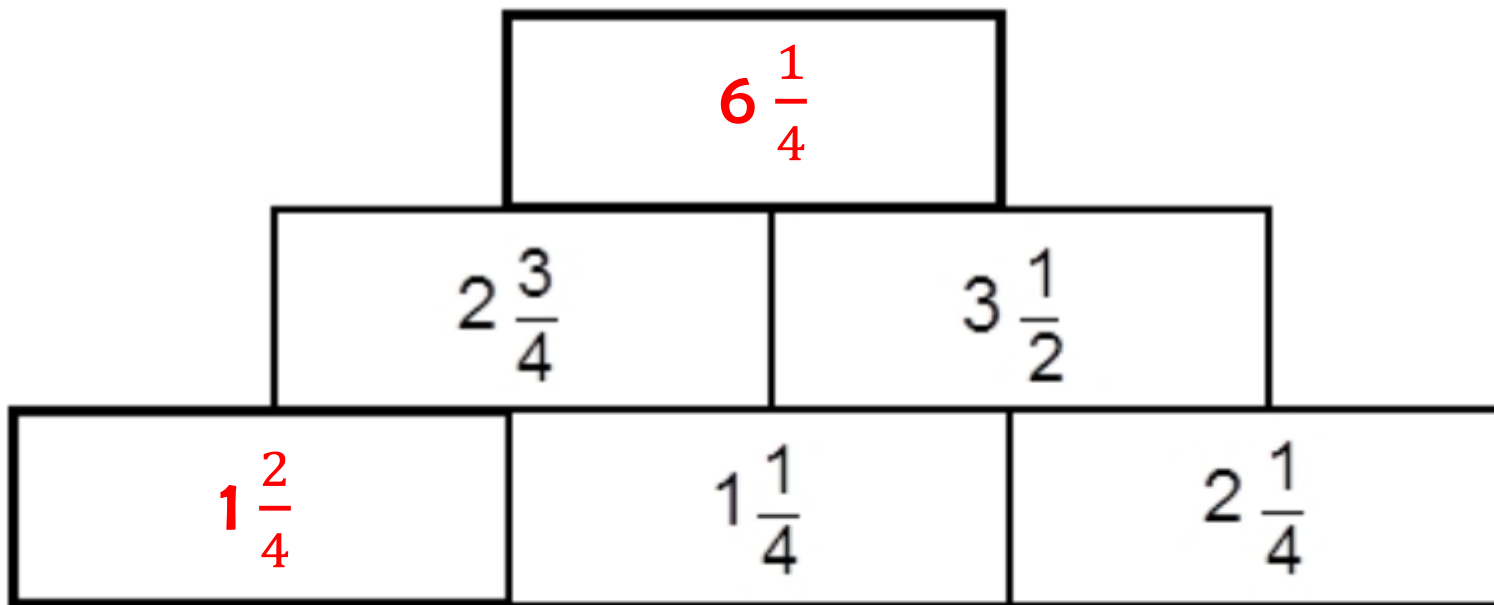


2 marks

RECALL

In this diagram, the number in each box is the **sum** of the two numbers below it.

Write the missing numbers.



2 marks

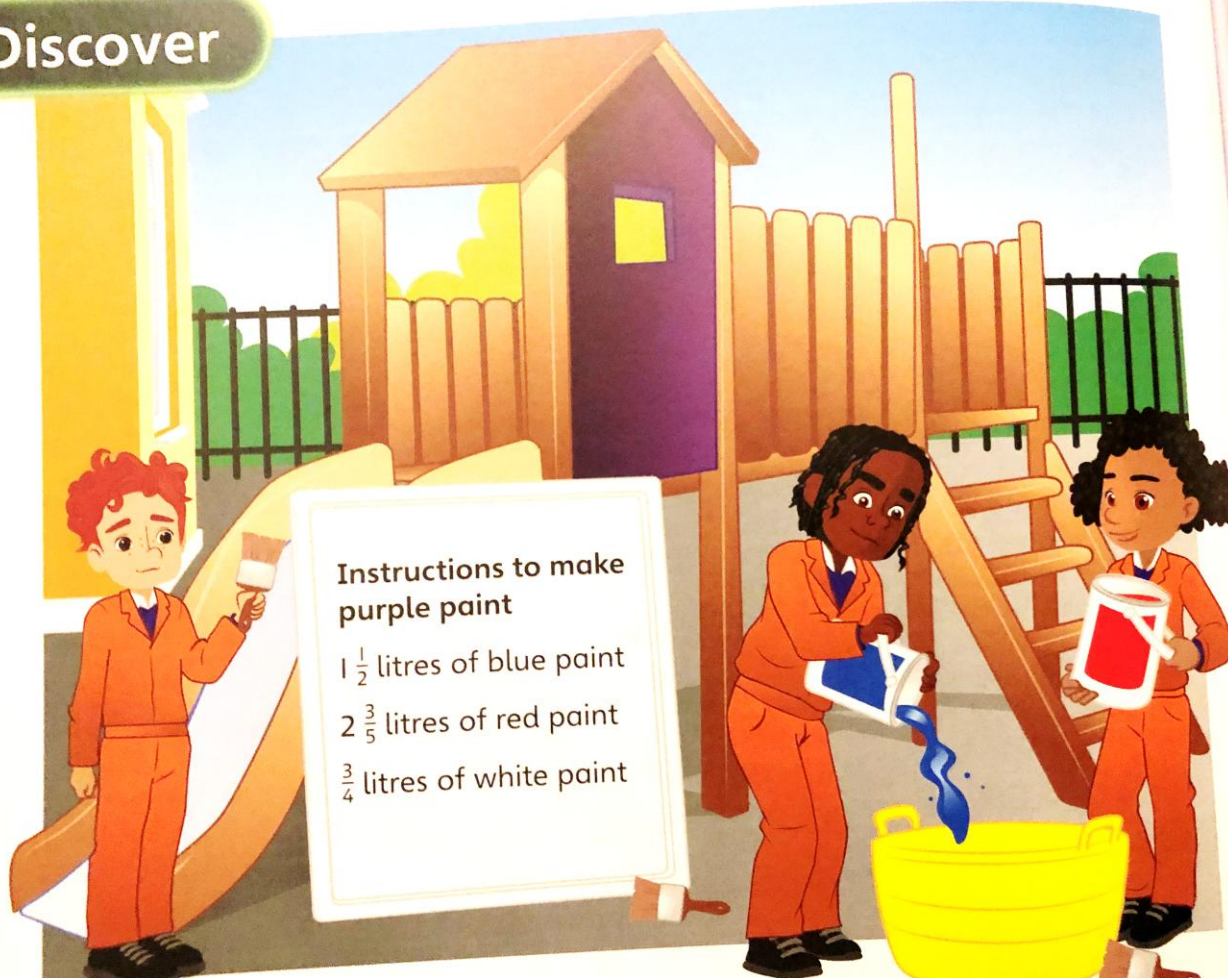
L.O. -ADD AND SUBTRACT FRACTIONS WITH DIFFERENT DENOMINATIONS AND MIXED NUMBERS, USING THE CONCEPT OF EQUIVALENT FRACTIONS.

- **SOME WILL EVEN:** Solve problems involving adding and subtracting mixed number fractions in the MOST efficient way.
- **SOME WILL:** Recognise different ways to solve a problem.
- **MOST WILL:** Recognise LCM (lowest common multiples) to convert fractions to same denominator where needed.
- **ALL WILL:** Understand how to add and subtract mixed number fractions.

GUIDED PRACTICE – MY TURN



Discover



- a) The children are going to make some purple paint using the instructions.

How many litres of purple paint will they make?

- b) 3 and a half litres of purple paint will cover all the roofs.
1 and 1 fifth of purple paint will cover the wooden poles.

Will there be enough paint to paint both the roofs and the poles?

help

Remember to convert to LCD

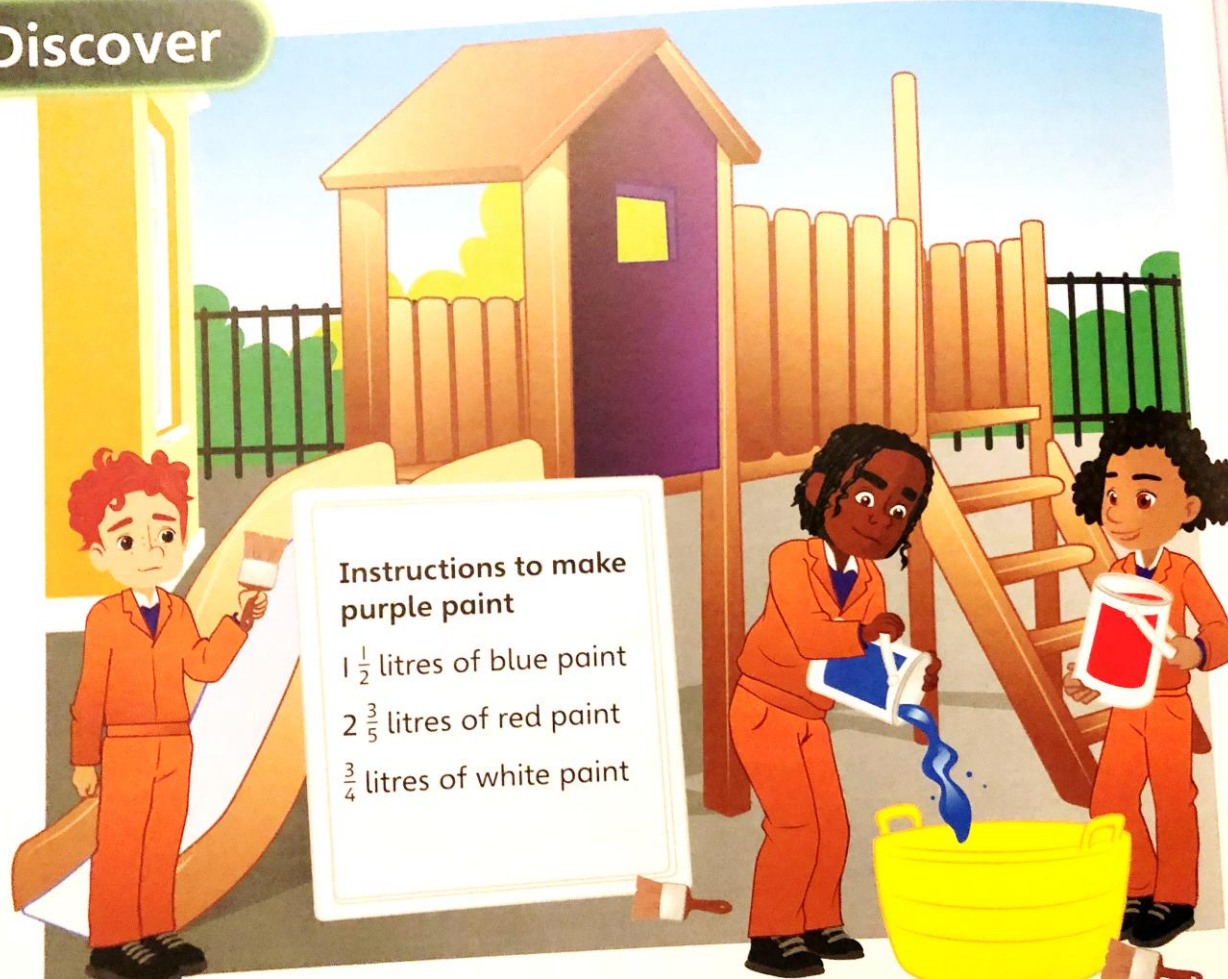


Did you use the most efficient method? Why/why not?

GUIDED PRACTICE – OUR TURN



Discover



- a) The children are going to make some purple paint using the instructions.

How many litres of purple paint will they make?

- b) 3 and a half litres of purple paint will cover all the roofs.
1 and 1 fifth of purple paint will cover the wooden poles.

Will there be enough paint to paint both the roofs and the poles?

help

Remember to convert to LCD



Did you use the most efficient method? Why/why not?

GUIDED PRACTICE – YOUR TURN



Discover



Instructions to make purple paint

- 1 $\frac{1}{2}$ litres of blue
- 2 $\frac{3}{4}$ litres of red
- 4
- 2 $\frac{4}{5}$ litres of white
- 5

- a) The children are going to make some purple paint using the instructions.

How many litres of purple paint will they make?

- b) 3 and a half litres of purple paint will cover all the roofs.
1 and 1 fifth of purple paint will cover the wooden poles.

Will there be enough paint to paint both the roofs and the poles?

help

Remember to convert to LCD



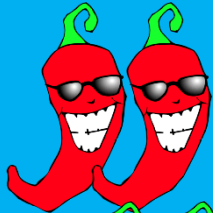
Did you use the most efficient method? Why/why not?

Aki's bowling balls have a total mass of $15\frac{3}{4}$ kg

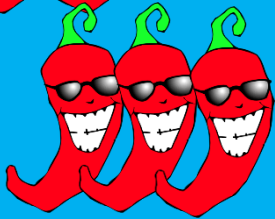
Bella's bowling balls have a total mass of $11\frac{1}{12}$ kg



What is the total of Bella and Aki's balls together?



What is the mass of one yellow ball?



What is the mass of one striped ball?



Bella says if she swaps her yellow ball for a green weighing
And a blue and white striped ball weighing

$4\frac{1}{3}$ kg
 $2\frac{1}{8}$ kg
then her total weight be lighter than before. Is she right? APE!!!



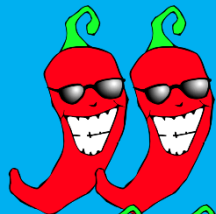
Aki's bowling balls have a total mass of $15\frac{3}{4}$ kg

Bella's bowling balls have a total mass of $11\frac{1}{12}$ kg



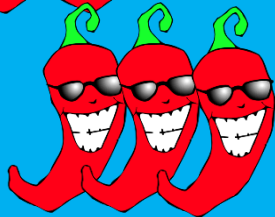
What is the total of Bella and Aki's balls?

$$15\frac{2}{12}\text{kg} + 11\frac{1}{12}\text{kg} = 26\frac{10}{12}\text{kg} \quad 26\frac{5}{6}\text{kg}$$



What is the mass of one yellow ball?

$$4\frac{2}{3}\text{kg}$$



What is the mass of one striped ball?

$$1\frac{3}{4}\text{kg}$$



Bella says if she swaps her yellow ball for a green weighing $4\frac{1}{3}$ kg
And a blue and white striped ball weighing $2\frac{1}{8}$ kg

$$4\frac{1}{3}\text{kg}$$

$$2\frac{1}{8}\text{kg}$$

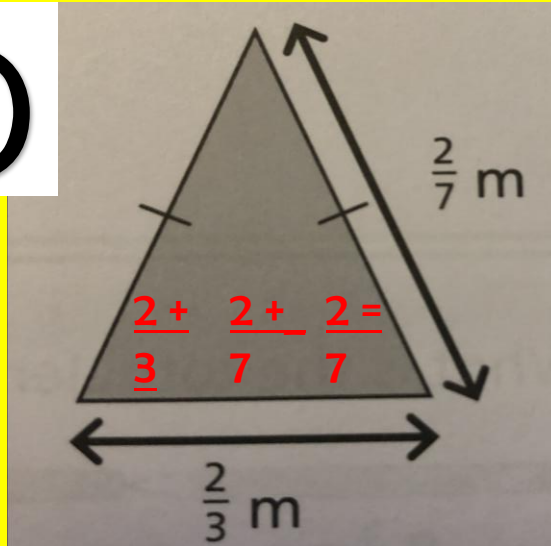
$$\text{Right} - 10\frac{19}{24}\text{kg}$$

then her total weight will be lighter than before. Is she right? APE!!!

DIVE DEEPER 1

$$\frac{14}{21} + \frac{6}{21} + \frac{6}{21} = \frac{26}{21} = 1\frac{5}{21} \text{ m}$$

1)



Calculate the perimeter of this triangle.

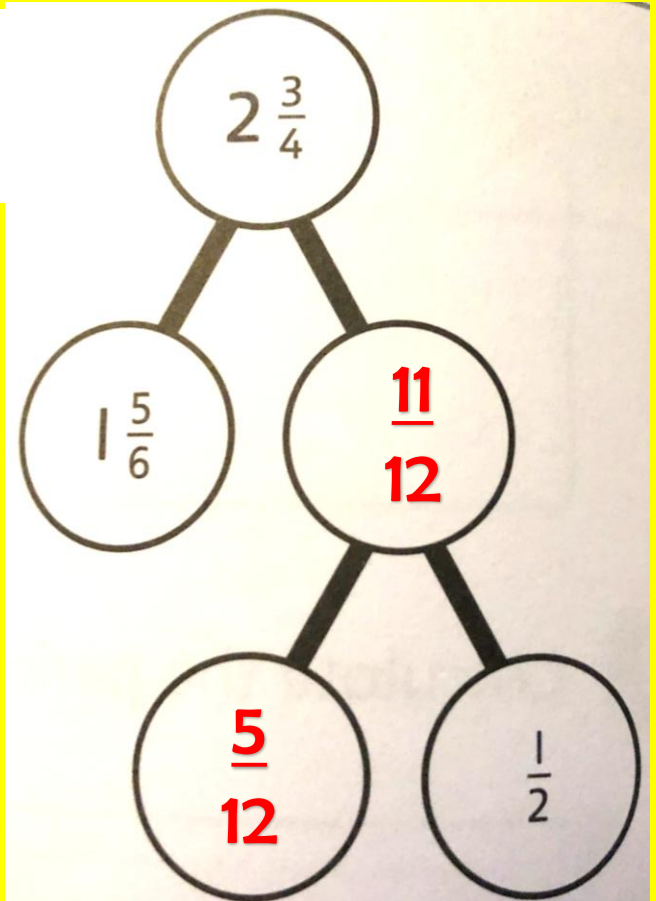
3)

Work out the missing numbers.

a) $4\frac{1}{6} - 2\frac{1}{3} = 1\frac{5}{6}$

b) $2\frac{1}{3} - \frac{3}{6} = 1\frac{5}{6}$

4)

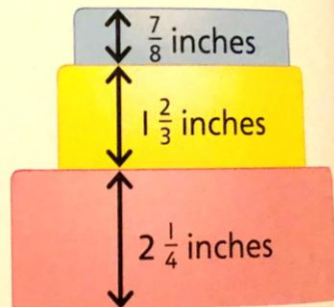


2)

Holly makes a wedding cake.

Calculate the total height of the cake using the two different methods.

The total height of the cake is $4\frac{19}{24}$ inches.



5)

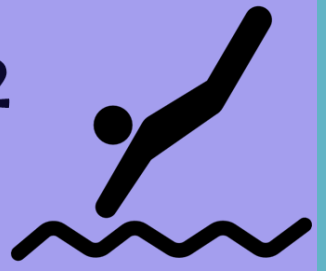
Kate is cycling to the beach. It is $6\frac{1}{3}$ km from her house.

She cycles for $2\frac{4}{5}$ km, has a break and then cycles for another $1\frac{2}{3}$

How much further does she need to cycle?

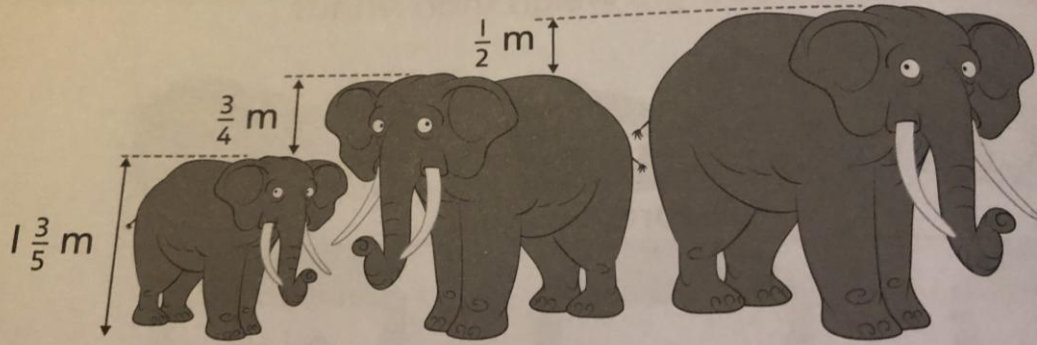
$$1\frac{13}{15}$$

DIVE DEEPER 2



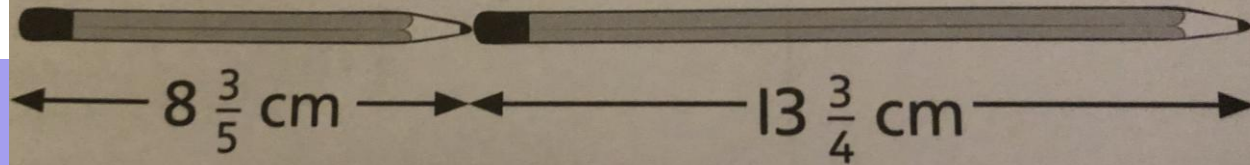
6)

Calculate the height of the tallest elephant.



7)

What is the total length of the pencils?



Here is a school newspaper article.

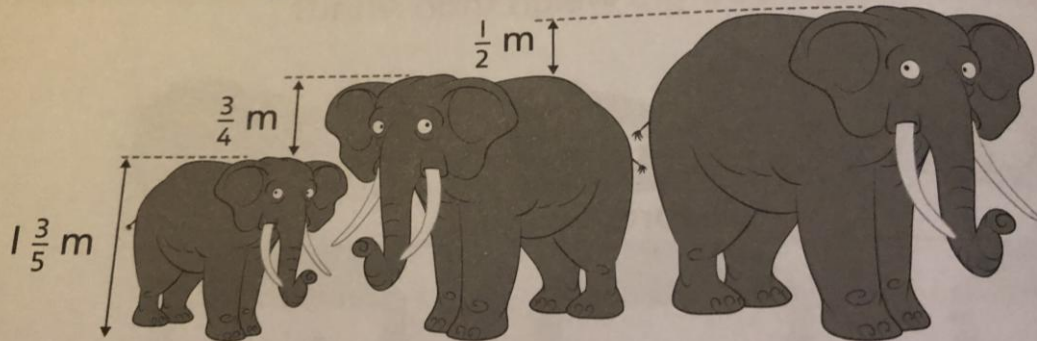


True or false?

Y6 children at Power Maths Primary voted on their favourite flavour of ice-cream. $\frac{3}{8}$ of the children chose strawberry. $\frac{2}{5}$ of the children chose chocolate. $\frac{9}{40}$ of the children chose lemon flavour. This shows that lemon is the most popular flavour.

6)

Calculate the height of the tallest elephant.



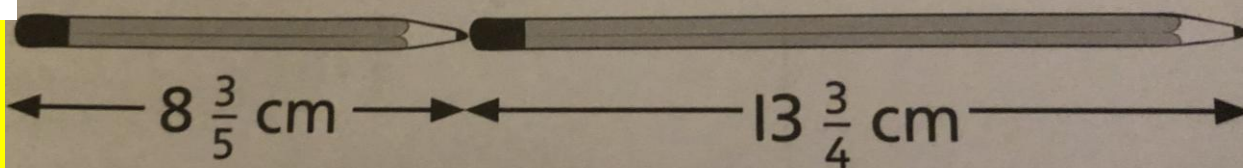
$$2\frac{17}{20}$$

DIVE DEEPER 2



7)

What is the total length of the pencils?



$$22\frac{7}{20}$$



Strawberry 15

40

Chocolate 16

40

Here is a school newspaper article.



True or false?

Y6 children at Power Maths Primary voted on their favourite flavour of ice-cream. $\frac{3}{8}$ of the children chose strawberry. $\frac{2}{5}$ of the children chose chocolate. $\frac{9}{40}$ of the children chose lemon flavour. This shows that lemon is the most popular flavour.

Finish any from other lessons!

