Y5 HW.

WEEK4

Wholes and Decimals

1a. Sam has £9 to spend. She buys oil, eggs and flour. How much did she have left?

£0.90   £1   £2.80
£2.10   £4.30

What else could she buy?

☆

PS

2a. Susie thinks the missing digits are 2 and 9.

```
  6 9 • 0
+   2   •
─────────
      1 • 2
```

Is she correct? Prove it.

☆

R

3a. Blair and Nate are measuring how far they can kick a ball. They each have two attempts and kick the ball 31.2m, 11.2m, 34m and 23m.

> We kicked the ball 100m.

> We kicked the ball less than 100m.

Blair   Nate

Who is correct? Explain your answer.

☆

R

Wholes and Decimals

1b. Tom has £58 to spend. He buys a rocking horse, a yoyo and a toy tractor. How much did he have left?

£5.10   £30   £12.40
£21   £4.20

What else could he buy?

☆

PS

2b. Pablo thinks the missing digits are 6, 3.

```
  4   • 1
+ 2 6 • 0
─────────
    7 •
```

Is he correct? Prove it.

☆

R

3b. Dan and Dorota measured the height of the plants in their kitchen. They found that the plants were 10cm, 13.9cm, 22.2cm and 31cm.

> The total height of all the plants is 77.1cm.

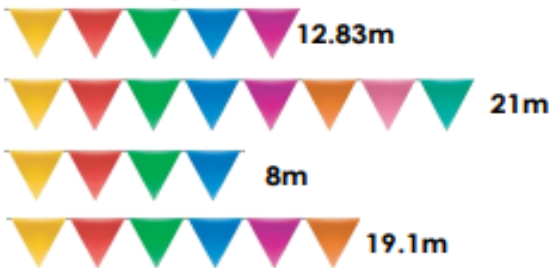> The total height of all the plants is more than 77.1cm.

Dorota   Dan

Who is correct? Explain your answer.

☆

R

Wholes and Decimals

4a. Hannah has 75m of bunting. She cuts off these lengths for her friends. How much bunting does she have left?
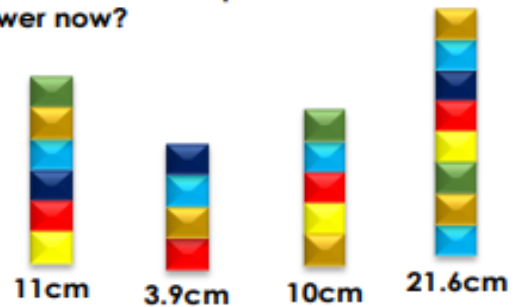
12.83m

21m

8m

19.1m

What is the biggest length she could cut again?

(not to scale)

5a. Jameela thinks the missing digits are 3, 4 and 1.

1 3 4 . 0 0
+ ☐ 7 . ☐ 1
1 6 ☐ . 4 ☐

Is she correct? Prove it.

6a. Serena and Charles have fish and chips for dinner. They each buy fish for £3, chips for £1.24 and a bottle of water for £0.85. Charles also has a side of mushy peas for 50p.

The meal cost more than £10.

The meal cost less than £10.

Serena   Charles

Who is correct? Explain your answer.

Wholes and Decimals

4b. Chris builds a 62cm tower of blocks. He takes off these pieces. How tall is his tower now?

11cm   3.9cm   10cm   21.6cm

What is the largest piece he could take off again?

(not to scale)

5b. Caleb thinks the missing digit is 6.

2 ☐ 3 . ☐ 6
+ 3 5 1 . 0 0
☐ 1 4 . 6 ☐

Is he correct? Prove it.

6b. Georgina and Rufus both have a new dog. They both buy food for £21.64, a bowl for £5 and a lead for £18.92. Rufus also buys a collar for £12.

We will spend less than £110 between us.

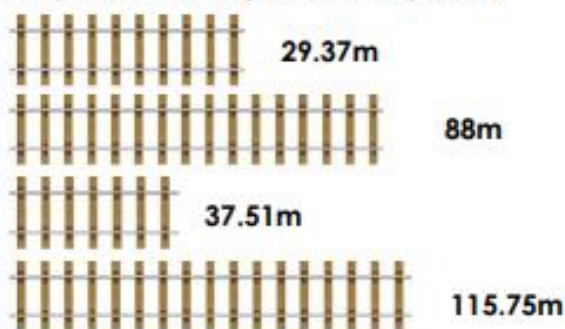We will spend more than £110 between us.

Georgina   Rufus

Who is correct? Explain your answer.

Wholes and Decimals

7a. A train company needs 300m of track. They have already laid these pieces.

29.37m

88m

37.51m

115.75m

Which piece could be laid again?

(not to scale)   PS

7b. Chris has spent £700 exactly. He bought these items and one duplicate.

£100.34

£41.99

£266.06

£87

£162.62

Which item did he buy twice?

PS

8a. Bobbi thinks the missing digits are 7, 5, 3 and 1.

$$
\begin{array}{cccccc}
6 & 6 & 4 & \bullet & 0 & 0 \\
+ & & 9 & \bullet & 1 & \\
\hline
& 4 & & \bullet & & 5 \\
\end{array}
$$

Is she correct? Prove it.

R

8b. Kristof thinks the missing digits are 5, 0 and 3.

$$
\begin{array}{cccccc}
1 & & 7 & \bullet & & 3 \\
+ 1 & 3 & 5 & \bullet & 0 & 0 \\
\hline
& 3 & & \bullet & 0 & \\
\end{array}
$$

Is he correct? Prove it.

R

9a. Cyrus and Vanessa went for a run. Together, they ran 165.27m around the park, 117m around a football field and 89.79m to get home. Vanessa ran a further 237m when she got home.

> Together, we ran more than 950m.

> Together, we ran less than 950m.

Vanessa   Cyrus

Who is correct? Explain your answer.

R

9b. Eric and Jenny weighed some of the toys on a shelf. There were two toys at 241.36g each, a toy at 110g, a toy at 47g and two toys at 173.92g each.

> The toys weigh more than 980g altogether.

> The toys weigh less than 980g altogether.

Jenny   Eric

Who is correct? Explain your answer.

R