

## Yr 6 Decimals and fractions Unit 2 (6637)

### Additional teacher instructions for practice sheets

These notes indicate which practice sheets are most appropriate for which groups.

#### Day 1 Adding distances Sheet 1

Working towards ARE

#### Day 1 Column addition of decimals Sheet 2

Working at ARE / Greater Depth

#### Day 2 Adding measures Sheet 1

Working towards ARE / Working at ARE / Greater Depth

Working towards ARE do Parts A and B.

Working at ARE / Greater Depth do Parts B and C.

# Adding distances

## Sheet 1

Look for as many pairs of distances with a total of less than 7 metres as you can.

4.35 m

2.78 m

3.56 m

3.42 m

2.4 m

1.78 m

5.2 m

### Challenge

Can you find three distances with a total of exactly 10.4m?

# Column addition of decimals

## Sheet 2

Estimate then find these totals:

1.  $4.56 + 2.38$
2.  $6.73 + 2.84$
3.  $5.67 + 2.75$
4.  $6.05 + 8.27$
5.  $34.5 + 4.78$
6.  $7.5 + 3.83$
7.  $4.372 + 3.483$
8.  $5.628 + 3.834$
9.  $6.859 + 4.746$
10.  $4.56 + 0.348$
11.  $45.39 + 2.474$
12.  $8.476 + 37.65$

### Challenge

Find two different numbers, each with three decimal places that total 45.5.

# Adding measures

## Sheet 1

### Part A

Find three pairs of distances with a total between 9 and 10 metres.

6.34m    2.26m    2.89m    4.75m    3.18m    6.68m    5.04m    4.2m

### Part B

Find three pairs of masses/weights with a total of between 15 and 16 kilograms.

10.252kg    5.826kg    9.421kg    5.213kg    4.934kg    7.853kg    7.729kg

### Part C

Find three pairs of capacities with a total of between 10 and 11 litres.

8.234 litres    4.872 litres    6.123 litres    1.836 litres    1.9 litres    5.67 litres    2.45 litres

# Decimals and fractions

## Answers

### Day 1 Adding distances Sheet 1

$$5.2\text{m} + 1.78\text{m}$$

$$4.35\text{m} + 2.4\text{m}$$

$$3.56\text{m} + 3.42\text{m}$$

$$3.42\text{m} + 3.56\text{m}$$

$$2.78\text{m} + 3.56\text{m}$$

$$2.4\text{m} + 4.35\text{m}$$

$$2.4\text{m} + 1.78\text{m}$$

$$1.78\text{m} + 5.2\text{m}$$

$$1.78\text{m} + 2.78\text{m}$$

$$4.35\text{m} + 1.78\text{m}$$

$$3.56\text{m} + 2.78\text{m}$$

$$3.42\text{m} + 2.78\text{m}$$

$$2.78\text{m} + 3.42\text{m}$$

$$2.4\text{m} + 3.56\text{m}$$

$$1.78\text{m} + 4.35\text{m}$$

$$1.78\text{m} + 2.4\text{m}$$

$$3.56\text{m} + 2.4\text{m}$$

$$3.42\text{m} + 2.4\text{m}$$

$$2.78\text{m} + 2.4\text{m}$$

$$2.4\text{m} + 3.42\text{m}$$

$$1.78\text{m} + 3.56\text{m}$$

$$3.56\text{m} + 1.78\text{m}$$

$$3.42\text{m} + 1.78\text{m}$$

$$2.78\text{m} + 1.78\text{m}$$

$$2.4\text{m} + 2.78\text{m}$$

$$1.78\text{m} + 4.42\text{m}$$

### Challenge

$$3.42\text{m} + 1.78\text{m} + 5.2\text{m} = 10.4\text{m}$$

### Day 1 Column addition of decimals Sheet 2

1.  $4.56 + 2.38 = 6.94$

2.  $6.73 + 2.84 = 9.57$

3.  $5.67 + 2.75 = 8.42$

4.  $6.05 + 8.27 = 14.32$

5.  $34.5 + 4.78 = 39.28$

6.  $7.5 + 3.83 = 11.33$

7.  $4.372 + 3.483 = 7.855$

8.  $5.628 + 3.834 = 9.462$

9.  $6.859 + 4.746 = 11.605$

10.  $4.56 + 0.348 = 4.908$

11.  $45.39 + 2.474 = 47.864$

12.  $8.476 + 37.65 = 46.126$

### Day 2 Adding measures Sheet 1

#### Part A

$$6.34 + 2.89 = 9.23 \text{ m}$$

$$6.34 + 3.18 = 9.52 \text{ m}$$

$$2.89 + 6.68 = 9.57 \text{ m}$$

$$4.75 + 5.04 = 9.79 \text{ m}$$

#### Part B

$$10.252 + 5.213 = 15.465\text{kg}$$

$$10.252 + 4.934 = 15.186\text{kg}$$

$$5.826 + 9.421 = 15.247\text{kg}$$

$$7.853 + 7.729 = 15.582\text{kg}$$

#### Part C

$$8.234 + 1.836 = 10.07 \text{ litres}$$

$$8.234 + 1.9 = 10.134 \text{ litres}$$

$$8.234 + 2.45 = 10.684 \text{ litres}$$

$$4.872 + 6.123 = 10.995 \text{ litres}$$

$$4.872 + 5.67 = 10.542 \text{ litres}$$