Name: Date:

|  |
| --- |
| Finding the area of a triangle  **½ b × h**  “length × width ÷2” ... ***“T for Triangle/ T for Two – divide by 2”***  5 m  3 m  4 m  e.g.  Area = **3** × **4** ÷ 2  = **6 m2** |

**Exercise:** Find the area of these triangles. Don’t forget the units.

13 m

5 m

12 m

10 cm

6 cm

8 cm

**1. 2.**

**3. 4.**

11 cm

5 cm

8 cm

9 m

5 m

7 m

8 m

17 mm

8 mm

15 mm

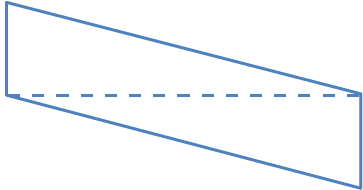
**5.**  **6.**

6 m

8 m

10 m

**7.**



5 cm

13 cm

12 cm

|  |
| --- |
| Finding the area of a parallelogram  ***“Say No to Slants”***  Area = *b* x *h*  10 m  ***Remember to multiply two numbers that are at right angles – remember SNoTS!!!***  e.g.  6 m **5 m** Area = **10** × **5**  = **50 m2** |

**Exercise:** Find the area of these parallelograms. Don’t forget the units.

**1.** **2.**

6 cm

9 cm

5 cm

5 cm

4 cm

7 cm

**3.** **4.**

8 cm

7 cm

9 cm

2 mm

3 mm

4 mm

**5.**  **6.**

10 cm

8 cm

13 cm

4 m

7 m

9 m

|  |
| --- |
| Finding the area of a Trapezium  ½(a + b) x h  ***SNOTS!***  ***“Say No to Slants”***  ***“T for Trapezium/ T for Two – divide by 2”***  “add the top/bottom (parallel sides), times by distance between then half”.  7 cm  5 cm  6 cm  3 cm  4 cm  e.g. **3** + **7** = 10  10 × **4** = 40  40 ÷ 2 = **20 cm2** |

1. **2.**

4 cm

9 cm

6 cm

10 cm

7 cm

5 cm

7 cm

6 cm

4 cm

9 cm

1. **4.**

7 cm

8 cm

6 cm

5 cm

11 mm

5 mm

9 mm

8 mm

**5.**

6 m

5 m

10 m

|  |
| --- |
| Finding the area of an irregular shape  Now try to do it without the two rectangles showing by drawing a line to **‘chop’** the shape into **two rectangles.**  e.g.  6 cm  7 cm  4 cm  5 cm  6 cm  7 cm  4 cm  5 cm  5 x 4  6 x 7  Total area = 6 × 7 + 5 × 4  = 42 + 20  = 62 cm2 |

**Exercise:** Find the area of these irregular shapes. Don’t forget the units.

**1. 2.**

5 cm

7 cm

4 cm

6 cm

4 cm

6 cm

3 cm

7 cm

**3. 4.**

5 m

4 m

3 m

9 m

10 m

4 m

7 m

3 m

5 m

5 m

2 m

3 m

14 m

6 m

**5. 6.**

5 cm

8 cm

13 cm

12 cm

Answers:

Triangles

1. 24 cm2
2. 30 m2
3. 20 m2
4. 20 cm2
5. 24 m2
6. 60 mm2
7. 60 cm2

Parallelograms

1. 28 cm2
2. 45 cm2
3. 8 mm2
4. 56 cm2
5. 28 m2
6. 80 cm2

Trapeziums

1. 28 cm2
2. 42 cm2
3. 35 cm2
4. 56 mm2
5. 45 m2

Irregular Shapes

1. 59 cm2
2. 45 cm2
3. 51 m2
4. 49 m2
5. 116 cm2
6. 74 m2