



Video content being covered that session



Anytime Videos + Session 2

Anytime Videos to watch before the session



This week's session will focus on the next three lessons from the Number course: **Order of Operations, Multiplying and Dividing Decimals** as well as **Problem Solving**.

Today's date: _____ Questions completed by: a) _____

Student completes all questions marked a) ➔

Tutor teaches using all questions marked b)

b) _____

1. Demonstrate your understanding of **Order of Operations** below.

a) $21 + (7 \times 9) \div 7 =$ _____ a) $(64 - 22) + (6 \times 8) =$ _____

b) $[(36 \div 4) \times 8] + 78 =$ _____ b) $45 + [120 \div (100 \div 10)] =$ _____

The b) questions can also be used as extra examples for students who need some further practice.

2. Use the contracted form of multiplication to complete the following.

a) $80.88 \times$
 8

a) $357.4 \times$
 9

a) $2.648 \times$
 6

b) $37.29 \times$
 8

b) $269.2 \times$
 7

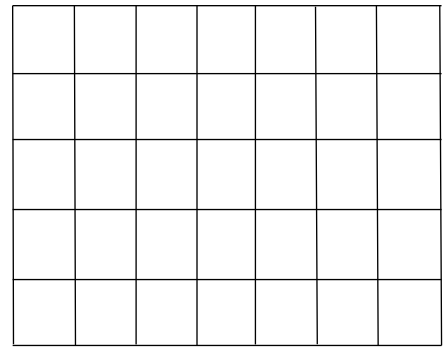
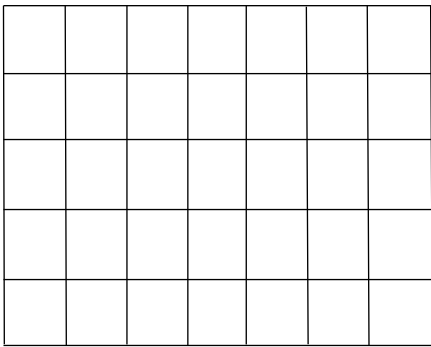
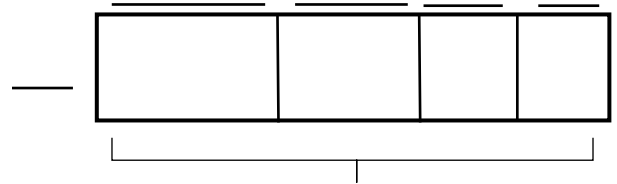
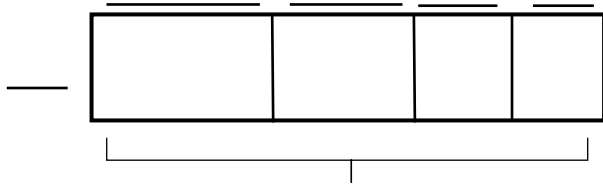
b) $3.777 \times$
 5

Tutor check understanding of the work covered in the videos.

3. Solve the following decimal multiplication sums, using the **area model**.

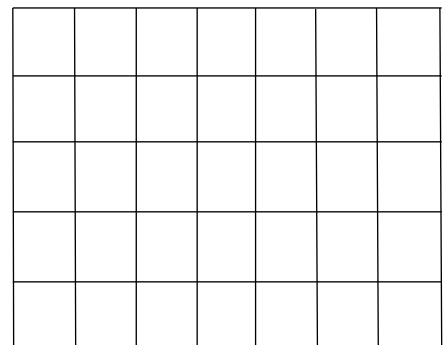
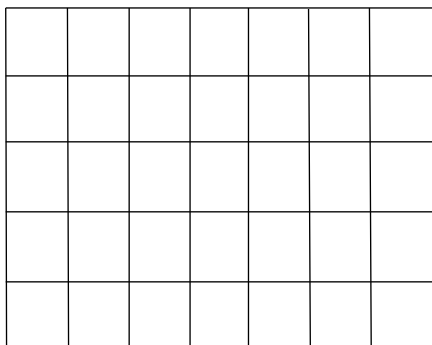
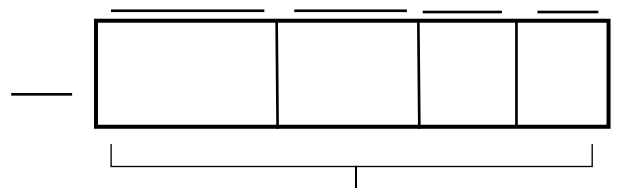
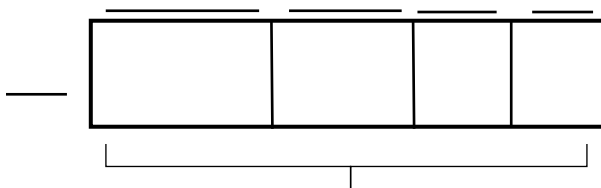
a) $78.65 \times 7 =$ _____

b) $527.9 \times 6 =$ _____



a) $69.74 \times 7 =$ _____

b) $478.9 \times 8 =$ _____



8.

4. Solve the following division sums, up to 3 decimal remainders.

a) $7 \overline{) 530}$

a) $5 \overline{) 387}$

a) $6 \overline{) 401}$

b) $6 \overline{) 470}$

b) $5 \overline{) 726}$

b) $8 \overline{) 304}$

5. Complete the tables below.

a)

Decimal	X 10	X 100	Decimal	÷ 10	÷ 100
77.5			524.5		
1.058			62.97		
2.52			316		

b)

Decimal	X 10	X 100	Decimal	÷ 10	÷ 100
3.84			56.3		
35.92			204		
1.3			37.66		

6. Solve the following problems involving multiples of 10.

a) $4840 \div 50 = \underline{\hspace{2cm}}$

b) $3720 \div 60 = \underline{\hspace{2cm}}$

a) $76 \times 40 =$ _____

b) $84 \times 60 =$ _____

a) $76 \times 400 =$ _____

b) $84 \times 600 =$ _____

The challenging part of Maths for ALL students! Here, a student uses the skills learnt from the videos to solve word problems. They are taught that the **process** is more important than the answer!

7. Solve the following word problems. 

a) Three farms were side by side. One had an area of 3 005 004 ha, one was 889 679 ha and the last farm was 1 556 844 ha.

1) What was their combined area?

Answer: _____

2) What was the difference in area between the largest and smallest farms?

Answer: _____

b) Three farms were side by side. One had an area of 1 834 657 ha, one was 775 889 ha and the last farm was 2 000 570 ha.

1) What was their combined area?

Answer: _____

2) What was the difference in area between the largest and smallest farms?

Answer: _____

10.

a) The fence needed 8 palings replaced at a cost of \$7.65 each.

1) If each paling was 1.84 m tall, what is the total length of wood that will be used?

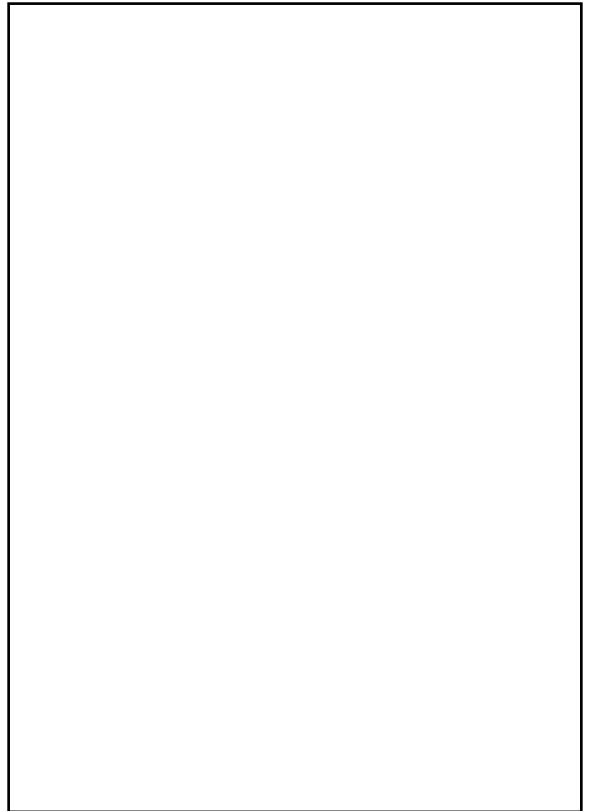
Answer: _____

2) 20 metres of wood was used in the making of the palings. How much wood was wasted?

Answer: _____

3) How much change will you receive from \$100?

Answer: _____



b) The fence needed 7 palings replaced at a cost of \$6.85 each.

1) If each paling was 1.77 m tall, what is the total length of wood that will be used?

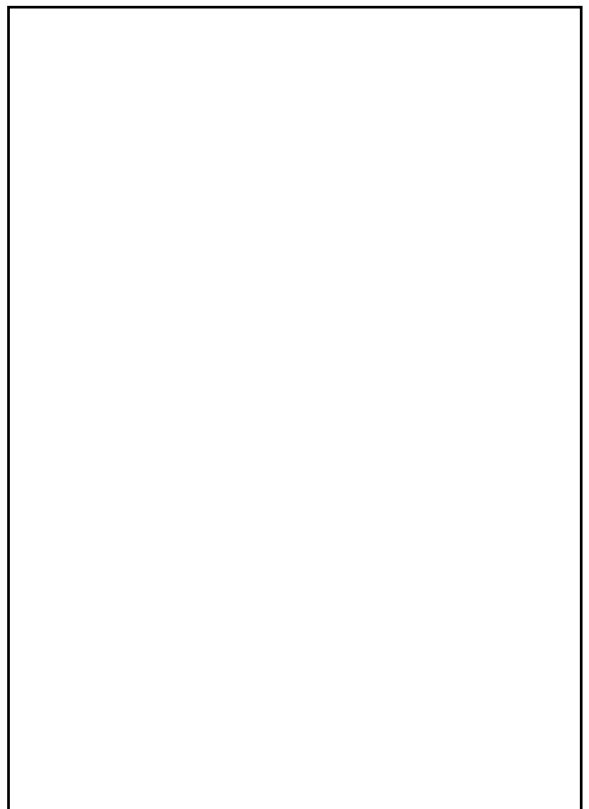
Answer: _____

2) 20 metres of wood was used in the making of the palings. How much wood was wasted?

Answer: _____

3) How much change will you receive from \$100?

Answer: _____



a) A new drama studio was being built at school. The front of the building was 33 m long, its width was 46 m and the height was 34 m.

1) What area did the building cover?

Answer: _____

2) What was the volume of the building?

Answer: _____

3) There were 47 rows of chairs on the lower level with 38 seats in the row. On the upper level, there were 9 rows with 36 seats. What was the seating capacity of the building?

Answer: _____

b) A new drama studio was being built at school. The front of the building was 38 m long, its width was 36 m and the height was 28 m.

1) What area did the building cover?

Answer: _____

2) What was the volume of the building?

Answer: _____

3) There were 54 rows of chairs on the lower level with 39 seats in the row. On the upper level, there were 8 rows with 26 seats. What was the seating capacity of the building?

Answer: _____

12.

Nicely done today! Remember to watch your videos for next week.