

UNIT 8 *Arithmetic: Division of Decimals*

Overhead Slides

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- 8.1 True or False?
- 8.2 Dividing by Powers of 10
- 8.3 Division
- 8.4 Problems in Context
- 8.5 Multiplication Table

OS 8.1*True or False?*

State whether each of these statements is *true* or *false*:

A: $8 \div 2 = 2 \div 8$

B: $8 \times 2 + 4 = 20$

C: $8 + 2 \times 4 = 40$

D: $8 \div 2 + 2 = 2$

E: $8 \div 4 + 4 = 6$

F: $8 \times 3 + 6 = 8 + 2 \times 3$

Which of the *false* statements can be made *true* by the insertion of a pair of brackets?

OS 8.2*Dividing by Powers of 10*

Calculate:

$$A : \quad 140 \div 10 \quad = \quad \boxed{}$$

$$B : \quad 1200 \div 100 \quad = \quad \boxed{}$$

$$C : \quad 4000 \div 1000 \quad = \quad \boxed{}$$

$$D : \quad 5000 \div 100 \quad = \quad \boxed{}$$

$$E : \quad 24 \div 10 \quad = \quad \boxed{}$$

$$F : \quad 240 \div 100 \quad = \quad \boxed{}$$

$$G : \quad 76 \div 100 \quad = \quad \boxed{}$$

$$H : \quad 4260 \div 1000 \quad = \quad \boxed{}$$

OS 8.3*Division*

Calculate:

$$A : 920 \div 5 = \boxed{}$$

$$B : 426 \div 3 = \boxed{}$$

$$C : 546 \div 13 = \boxed{}$$

$$D : 42.6 \div 2 = \boxed{}$$

$$E : 22.62 \div 3 = \boxed{}$$

$$F : 1.625 \div 5 = \boxed{}$$

$$G : 486 \div 15 = \boxed{}$$

$$H : 7.3 \div 4 = \boxed{}$$

OS 8.4*Problems in Context*

- A : A minibus holds 16 people. How many minibuses will be needed for a party of 100 people?
- B : A textbook costs £16. How many textbooks can you buy with £100 ?
- C : £100 is shared equally between 16 people. How much does each person get?
- D : A packet of sweets contains 100 sweets. They are shared equally between 16 children. How many sweets will be left over?

OS 8.5

Multiplication Table

×	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10
2	2	4	6	8	10	12	14	16	18	20
3	3	6	9	12	15	18	21	24	27	30
4	4	8	12	16	20	24	28	32	36	40
5	5	10	15	20	25	30	35	40	45	50
6	6	12	18	24	30	36	42	48	54	60
7	7	14	21	28	35	42	49	56	63	70
8	8	16	24	32	40	48	56	64	72	80
9	9	18	27	36	45	54	63	72	81	90
10	10	20	30	40	50	60	70	80	90	100