EduBridge

India's leading **Workforce Development Platform** that helps learners in building careers
with leading corporates through training & other career-building services.
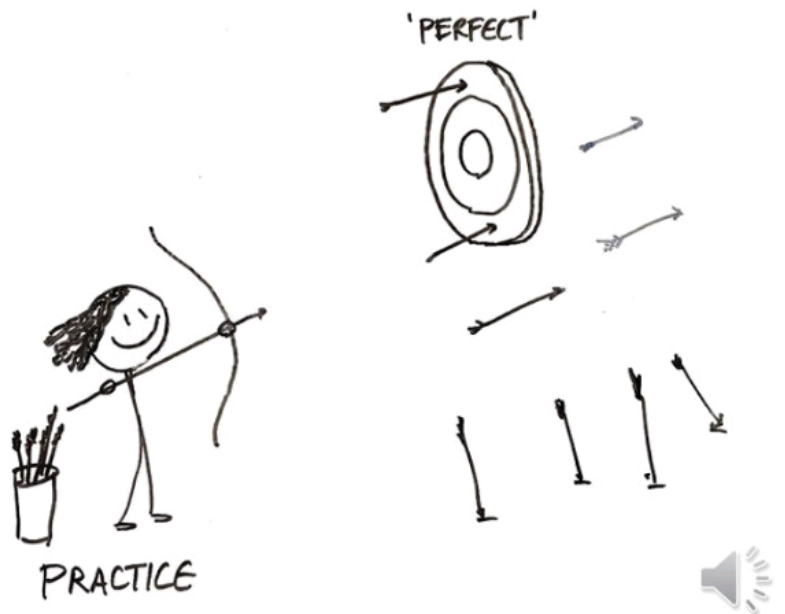
#letslearntoearn

• Practice:

1. 23, 28, 38, 53, 73, ?

2. 17, 45, 148, 607, ?, 18331

3. 5, 366, 655, ?, 1049, 1170

4. 1598, 798, 398, 198, ?, 48

5. 2, 3, 14, ?, 2068, 51705

'PERFECT'

PRACTICE

①   Aptitude Practice:

Lets Solve each number sequence.

1.   23, 28, 38, 53, 73, ?

$$28 - 23 = 5$$
$$38 - 28 = 10$$
$$53 - 38 = 15$$
$$73 - 53 = 20$$
$$73 + 25 = \underline{98}$$

2.   17, 45, 148, 607, ?, 18331

$$17 \times 2 + 11 = 45$$
$$45 \times 3 + 13 = 148$$
$$148 \times 4 + 19 = 607$$
$$607 \times 5 + 23 = ?$$

$$607 \times 5 = 3035$$
$$3035 + 23 = \underline{3058}$$

$$3058 \times 6 + 43 = 18331$$

3.   5, 366, 655, ?, 1049, 1170

$$366 - 5 = 361$$
$$655 - 366 = 289$$
$$? - 655 = ?$$
$$1049 - ? = ?$$
$$1170 - 1049 = 121$$

$$361 = 19^2$$
$$289 = 17^2$$
$$? = 15^2 = 225$$
$$655 + 225 = \underline{880}$$

$$1049 - 880 = 169 = 13^2$$
$$1170 - 1049 = 121 = 11^2$$
$$19^2, 17^2, 15^2, 13^2, 11^2 \dots$$

4. 1598, 798, 398, 198, ?, 48

$$1598 - 798 = 800$$
$$798 - 398 = 400$$
$$398 - 198 = 200$$
$$198 - ? = 100$$
$$? = 198 - 100 = \underline{98}$$

5.   2, 3, 14, ?, 2068, 51705.

$$3 \times 4 + 2 = 14$$
$$14 \times 13 + 6 = \underline{188}$$
$$188 \times 11 = 2068$$
$$2068 \times 25 = 51700$$